

BIBLIOGRAPHICAL RECORD.

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A colon after initial designates the most common given name, as: A: Augustus; B: Benjamin; C: Charles; D: David; E: Edward; F: Frederic; G: George; H: Henry; I: Isaac; J: John; K: Karl; L: Louis; M: Mark; N: Nicholas; O: Otto; P: Peter; R: Richard; S: Samuel; T: Thomas; W: William. The initials at the end of each record, or note, are those of the recorder.

Corrections of errors and notices of omissions are solicited.

Packard, Alpheus Spring, jr. Descriptions of some new ichneumon parasites of North American butterflies. (Proc. Boston soc. nat. hist. [16] Aug. 1881, v. 21, p. 18-38.)

Crit. rev., by C. V. Riley, entitled "Notes on microgasters." (Amer. nat., Aug. 1882, v. 16, p. 679-680.)

Describes *ophion tityri* (from *eudamus tityrus*), *campoplex pieridicola* (from *pieris rapae*), *ichneumon hunterae* (from *pyrameis huntera*), *i.* sp., *i. thorotis* (from *melitaea thoros*), *microgaster carinata* (from *pyrameis atlanta*), *m. pieridis* (from *pieris rapae*), *m. atlantae* (from *pyrameis atlanta*), *m. cardnicola* (from *p. cardui*), *m. lunaatus* (from *papilio asterias*), *eucyrtus turni* (from *p. turnus*), *eulophus theclae* (from pupa of *thecla calanus*), *e. saundersii* (from pupa of same?), *eulophus antiope* (from *vauessa antiope*), *trichogramma minutissimum* (from *p. pilosa turnus*), *pom-pilus* sp. ("from *grafta interrogatrix*"), 16 new species; and re-describes *trogus* ("*trogon*"), *cesorius* (from pupa of *papilio*), *apanteles limenitidis* (from *limenitis disippus*), *pteromalus puparum* (from *pieris rapa*), *eucyrtus montanus* (from pupa of *chiobas semideva*), *eulophus semideva* (from *ch. semideva*), *trichogramma minutum* (from *limenitis disippus*), and each genus, except the last, of these parasites; compares the described species and genera with others.

B: P. M. (333\$)

Riley, C: Valentine. The false indigo gall-moth: *walshia amorphella*, Clemens. (2d ann. rept. state entom. Mo., [Mch.] 1870, p. 132-133, fig. 98.)

Description and figures of gall, larva and imago of *walshia amorphella*, found on *amorpha fruticosa*; hibernation of the larva.

B: P. M. (333\$)

[**Riley**, C: Valentine.] Gall on *pelargonium*. (Amer. entom., Mch. 1880, v. 3, n. 8., v. 1, p. 78. 6 cm.)

Letter from M. T[reat], with answer; a gall, "growing at the base of a healthy *pelargonium*," contained *podura*; the gall apparently made by a mite, and the *podura* undoubtedly feeding on the diseased gall-tissue.

B: P. M. (334\$)

Riley, C: Valentine. Gall-nuts. (Johnson's new univ. cyclop., 1876, v. 2, p. 417, 1 fig.)

Definition of "gall-nuts," formed by *cynips gallae-tinctoriae* on twigs of *querus infectoria*; local origin, chemical composition, use in the arts.

B: P. M. (334\$)

Riley, C: Valentine. Galls. (Johnson's new universal cyclop., 1876, v. 2, p. 417-419, 2 fig.)

Definitions of "galls;" their variety of form, texture and location, their nature and source.

B: P. M. (334\$)

Riley, C: Valentine. The misnamed gall-moth: *eryptychia saligueana*, Clemens. (2d ann. rept. state entom. Mo., [Mch.] 1870, p. 134-135, fig. 99.)

Description and figure of gall and imago and brief description of larva of *eryptychia saligueana*; characters of the genus; this moth may be an inquiline. General remarks on the formation of galls by lepidoptera.

B: P. M. (334\$)

Riley, C: Valentine. Notes on microgasters. (Amer. nat., Aug. 1882, v. 16, p. 679-680.)

Crit. rev. of A. S. Packard, Jr.'s "Descriptions of some new ichneumon parasites of North American butterflies" (Proc. Boston soc. nat. hist., [16] Aug. 1881, v. 21, p. 18-38) [Rec., 333\$]; synonymous notes on *microgaster carinata* [= *m. gelichiæ* var.], *m. pieridis* [= *apanteles congregatus* var. *pieridivora* n. var.], *m. atlantae* [= *a. congregatus* var.], *m. apanteles* *cardnicola* and *m. [a.] lunaatus*.

B: P. M. (334\$)

Riley, C: Valentine. Notes on North American microgasters, with descriptions of new species. (Trans. acad. sci. St. Louis, [May] 1882, v. 4, p. 296-315, 9 fig.)

Separate. [St. Louis, Mo.], Apr. 1881. 12-t. p. cover + 20 p., 23×16. il.

Sketch of previous knowledge of the North American *braconidae* closely related to *microgaster*; characteristics and habits of the group; definition of the genera *microplitis*, *microgaster* and *apanteles*; description of typical larva (of *apanteles aletiae*) and of cocoons and the manner of their construction; effect of the presence of parasites upon the longevity of the host; occurrence of secondary parasites in these parasites; description, with notes on the habits, of the following new species: *microplitis ceratomiae*, *m. gorytinae*, *apanteles megathymi*, *a. iacociae*, *a. aletiae*, *a. politus*, *a. cassinius*, *a. thecae*, *a. smirinithi*, *a. acronyctae*, *a. paleacaritae*, and of the following new varieties: *apanteles limenitidis* form *floriconechae*, *a. congregatus* var. *hemiteleciae* and var. *rufocovalis* and var. *scitulus*; synominal list of North American species of these three genera heretofore described.

B: P. M. (334\$)

Riley, C: Valentine. The smaller corn stalk-borer. *Pempelia lignosella* Zeller. (Rept. [U. S.] commiss. agric., for 1881 and 1882, 1882 [Jan. 1883], p. 142-145, pl. 7, fig. 3.) (RILEY, C: V. Report of the entomologist . . . [1 Dec.] 1882, p. 142-145 [82-85], pl. 7, fig. 3.)

Ravages, habits, seasons, natural history, geographical distribution and synonymy of, and means against *pempelia lignosella*; description and figures of larva, pupa and imago; of structural details of mouth-parts and antennae of male imago, of markings of larva, and of injury done to corn-stalks. *B: P. M.* (3346)

Riley, C: Valentine. The sorghum web-worm. *Nola sorghiella*, new species. (Rept. [U. S.] commiss. agric., for 1881 and 1882, 1882 [Jan. 1883], p. 187-189, pl. 11, fig. 1.) (RILEY, C: V. Report of the entomologist . . . [1 Dec.] 1882, p. 187-189 [127-129], pl. 11, fig. 1.)

Habits, ravages and classificatory relations of *nola sorghiella* n. sp.; figures and description of larva, pupa and imago; figures of head of *sorghum* injured by the larva. *B: P. M.* (3347)

Riley, C: Valentine. The water weevil. *Lissorhoptrus simplex* Say. (Rept. [U. S.] commiss. agric., for 1881 and 1882, 1882 [Jan. 1883], p. 130-133, pl. 6, fig. 4.) (RILEY, C: V. Report of the entomologist . . . [1 Dec.] 1882, p. 130-133 [70-73], pl. 6, fig. 4.)

Seasons, habits, ravages, classification and synonymy of *lissorhoptrus simplex*; description and figures of larva and imago; includes extract from J. Screeven's letter in author's "The water-weevil of the rice plant" (Amer. nat., June 1881, v. 15) [Rec., 3335], p. 483, and extract from a report by L. O. Howard: *spalacopsis suffusa* and *hippopis lemniscata* boring in stems of *chenopodium anthelminticum*. *B: P. M.* (3348)

[Walsh, B: Dann and C: Valentine Riley.] Galls and their architects. (Amer. entom., Feb. 1860, v. 1, p. 101-110, 389 cm., fig. 78-92; p. 144, 3 cm.)

Definition and classification of galls; variety of their sizes, shapes, colors, tastes, consistency, situation, construction and parentage; accounts of some galls made by *cynipidae*, *ecidomyidae*, and *ophidiidae*, and of the gall-makers; figures, describes and treats especially of galls of *cynips quercus-spongifica*, *c. q. suavis*, *c. q. prunus* n. sp., *ecidomyia sativis-strobiloides*, *c. s. brassicoides*, *c. vitis-pomum* n. sp., *c. v. coryloides* n. sp., *pemphigus vagabundus*, *p. rhois* and *glyphina ulmicola*; describes imago of *cynips q. prunus* n. sp., and of *pemphigus ulmi-fusca* n. sp., and larvae of above new species of *ecidomyia*; dimorphism of gall-makers; occurrence of inquilines and parasites in galls. [Continued in authors' "Galls and their architects: 2d article" (*op. cit.*, Nov. 1860, v. 2, p. 45-50) (Rec., 3350).] *B: P. M.* (3349)

[Walsh, B: Dann and C: Valentine Riley.] Galls and their architects: 2d article. (Amer. entom., Nov. 1860, v. 2, p. 45-50, 242 cm., fig. 30-32.)

[Cont. from authors' "Galls and their architects" (*op. cit.*, Feb. 1860, v. 1, p. 101-110) (Rec., 3349).] Definition and classification of galls; descriptions and figures of galls and larva and descriptions of imagos of *nematus salicis-pomum*, *cura s. ovum*, and *c. s. gemma*; habits and seasons of these insects and of *anthomitus syphanta*, *batrachodera salicipomella* and *nematus medicus*, inquilines in the galls of *nematus s. pomum* and in other galls; evidences distinguishing gall-makers from inquilines; balance of nature; dignity of entomology; reasons for preferring the name *cura s. gemma* to the prior name *c. orbitalis*. [Cont. in authors' article of same title (*op. cit.*, Dec. 1860-Jan. 1870, p. 70-71) (Rec., 3351).] *B: P. M.* (3350)

[Walsh, B: Dann and C: Valentine Riley.] Galls and their architects: 2d article. (Amer. entom., Dec. 1860-Jan. 1870, v. 2, p. 70-74, 193 cm., fig. 45-47.)

[Cont. from authors' article of same title (*op. cit.*, Nov. 1860, p. 45-50) (Rec., 3350).] General remarks explanatory of the occurrence of distinct genera of gall-insects on plants of distinct genera; figures and descriptions of galls of *cynips quercus-semitior* and *c. q. frondosa*; nature of these galls and of those of *c. q. operator*; seasons of the gall-makers; *nematus queriticola* inquilinus in galls of *c. q. frondosa*; synoptical table of North American genera of *cynipidae pseudos*; description of *antistrophus n. g. cynipidae*, and of gall and imago of *a. lygodesmiaefusum* n. sp. [Cont. in authors' article of same title (*op. cit.*, Feb. 1870, p. 103-106) (Rec., 3352).] *B: P. M.* (3351)

[Walsh, B: Dann and C: Valentine Riley.] Galls and their architects: 2d article. (Amer. entom., Feb. 1870, v. 2, p. 103-106, 144 cm., fig. 68-71.)

[Concluded from authors' article of same title (*op. cit.*, Dec. 1860-Jan. 1870, p. 70-71) (Rec., 3351).] Figure and description of the gall *rubi podagra* n. sp., made by *agrilus ruficollis*, of the gall *vitis vulnus* n. sp., made by *baridius sesostris*, of the larva and imago of the former insect and of the imago of the latter; habits and food-plants of and means against these insects; history of the names of the latter and of its gall; brief description of gall and of imago of *madarus amphelosidos* n. sp.; habits of *buprestidae*. *B: P. M.* (3352)

[Walsh, B: Dann and C: Valentine Riley.] The trumpet grape-gall. (Amer. entom., Sep.-Oct. 1860, v. 2, p. 28, 18 cm., fig. 27.)

Description and figure of galls of *ecidomyia vitis-vitifolia* n. sp. [= *c. vitis-vitifolia*], the gall-maker being unknown; enunciation of general law that when one gall-insect inhabits a plant, many more species of the same genus of insects generally inhabit the same genus of plants; occurrence of the same or similar galls on several varieties of grape-vines and of related galls on leaves of *carya* and *celtis*. *B: P. M.* (3353)